

Appl. No. 10/604,860
Amdt. dated July 17, 2006
Reply to Office action of April 17, 2006

Amendments to the Specification:

In [0011]

According to the claimed invention, the method includes choosing a corresponding set of write strategy parameters according to information of a previous land section, a
5 current pit section, and a next land section of an EFM waveform. When the set of write strategy parameters is chosen, not only the information of the current pit section but also that of the previous land section and the next land section is considered so that a more accurate control over the lengths of the land sections and the pit sections can be achieved. In addition, the method of the present invention defines the write strategy parameters in
10 great detail so that there is a higher degree of freedom to adjust the write strategy parameters to adequately eliminate jitters of the current pit sections due to internal inaccuracies of the optical storage medium.

In [0037]

In contrast to the prior art, the present invention method for writing data onto an
15 optical storage medium using an optical storage device can choose a corresponding set of write strategy parameters from a plurality of sets of write strategy parameters stored in a memory. The choice is made according to information of the previous land, the current pit, and the next land of an EFM waveform provided; more specifically the chosen set of write strategy parameters is determined according to not only the information of the
20 current pit section but also that of the previous land section prior to the current pit section and the next land section after the current pit section, so that a more accurate control over the lengths of the land sections and the pit sections on a surface of the optical storage medium can be achieved. In addition, the present invention method utilizes the 2T strategy and defines the write strategy parameters in great detail, so that the solidifying
25 time shortage problem of the 1T strategy is solved and there is a higher degree of freedom to adjust the write strategy parameters to adequately eliminate jitters of the current pit

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